

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Cancelled)

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2. (Currently Amended) A method of establishing a communications link between a mobile and a fixed terminal ~~operating a radio system comprising a mobile terminal and a fixed terminal~~, the method comprising :

said mobile terminal transmitting a message notifying the fixed terminal of key giving parameters relating to its operational capabilities,

~~and said fixed~~ the fixed terminal receiving the message, and configuring itself in accordance with the received parameters selecting which key parameters it requires to be supplied by the mobile terminal in order to have the capability of communicating with the mobile terminal; and

informing the mobile terminal of the key parameters it needs in order to be able to establish a communication link; and

the mobile terminal transferring the data relating to the required key parameters to the fixed terminal in order to configure/reconfigure the fixed terminal to be able to communicate with the mobile terminal.

3. (Previously Presented) A method as claimed in claim 2, wherein the mobile terminal transmits the required function plus software required in building a new function into an actual implementation on the fixed terminals.

4. (Previously Presented) A method as claimed in Claim 2, further comprising testing the air interface to ensure that said configuring has taken place without error.

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

E1

8. (Currently Amended) A communications system ~~as claimed in claim 6~~, wherein said mobile terminal and said fixed terminal each have a software interface configured as a high level user interface application running as a user application including a memory and means for altering the memory, and wherein at least a portion of the area of the memory has a part allocated to respective software functions, the memory altering means replacing the area of a respective part in response to a new function being downloaded.

9. (Previously Presented) A fixed terminal for use in a communication system in which a mobile terminal can configure said fixed terminal by service negotiation, the fixed terminal comprising a transceiver, a memory for storing software functions, and a processor for controlling operation of the fixed terminal in accordance with stored software functions, at least one of the software functions being alterable in response to the receipt of a message from said mobile terminal containing new software function plus interface software required by the processor in building the new function into an actual implementation on the fixed terminal.

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10. (Currently Amended) A method of configuring a profile of a fixed terminal comprising:

transmitting capabilities of said fixed terminal to a mobile terminal; ~~said capabilities including functions such as modulation type, bit rate, spreading code and number of carriers which are executed in a communication link;~~

selecting by said mobile terminal parameters that match said capabilities and transmitting said parameters to said fixed terminal;

selecting by said fixed terminal a portion of said parameters to form selected parameters and informing said mobile terminal of said selected parameters; and

transmitting by said mobile terminal to said fixed terminal required information to form said profile based on said selected parameters.

11. (Previously Presented) The method of claim 10, further comprising requesting said capabilities of said fixed terminal by said mobile terminal.

12. (Previously Presented) The method of claim 10, further comprising testing delivery integrity of said required information.

13. (Previously Presented) The method of claim 10, further comprising:  
testing delivery integrity of said required information; and  
requesting retransmission of said required information if said testing indicates an error in said delivery integrity.

14. (Previously Presented) The method of Claim 10, further comprising acknowledging proper reception of said required information.

15. (Currently Amended) A communication terminal comprising:  
means for transmitting capabilities of said communication terminal to another terminal; ~~said capabilities including functions such as modulation type, bit rate, spreading code and number of carriers which are executed in a communication link;~~  
means for receiving parameters from said another terminal, said parameters matching said capabilities;  
means for selecting a portion of said parameters to form selected parameters and informing said another terminal of said selected parameters;

means for receiving from said another terminal required information to form a profile of said communication terminal based on said selected parameters; and

means for configuring said profile in response to said required information from said another terminal.

16. (Currently Amended) A communication terminal comprising:

a memory which stores data indicative of capabilities of said communication terminal;

a transmitter which transmits said capabilities to another terminal;  
~~said capabilities including functions such as modulation type, bit rate, spreading code and number of carriers which are executed in a communication link;~~

a receiver which receives parameters from said server, said parameters matching said capabilities; and

a controller which selects a portion of said parameters to form selected parameters and informs said server of said selected parameters;

said receiver receiving from said server required information to form a profile of said communication terminal based on said selected parameters; and

said controller configuring said profile in response to said required information from said server.

17. (New) A method of establishing a communications link between a mobile and a fixed terminal , the method comprising :

means for transmitting a message from said mobile terminal notifying the fixed terminal of key parameters relating to its operational capabilities,

means for receiving the message by said fixed terminal,

E | means for selecting by said fixed terminal which key parameters from said received message it requires to be supplied by the mobile terminal in order to have the capability of communicating with the mobile terminal; and

means for informing said mobile terminal of the key parameters said fixed terminal needs in order to be able to establish a communication link; and

means for transferring the data by said mobile terminal relating to the required key parameters to the fixed terminal in order to configure/reconfigure the fixed terminal to be able to communicate with the mobile terminal.

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